

ABSTRACT

A solution including a single-stranded nucleic acid (10) having a target base (11) related to an SNP or the like is mixed with a solution including two kinds of single-stranded detecting nucleic acids (20a) and (20b) complementary to partial sequences that sandwich the target base (11) between them to hybridize the target nucleic acid (10) and the detecting nucleic acids (20a) and (20b). Thus, a gap part (21) is intentionally formed at a position opposed to the target base (11). Then, a receptor molecule (30) having hydrogen bonding characteristics and fluorescence emitting characteristics is inserted to the gap part (21) as a hydrophobic space. Then, the change of fluorescent strength of the receptor molecule (30) depending on the difference of the target base (11) is detected to detect a single nucleotide substitution.